MD 2 IS ASSUMED TO RUN IN A NORTH / SOUTH DIRECTION

EXISTING SIGNS

17,22 — Southdown RD — D3-2 (VAR. X 16")

24 — ONLY — R3-5(L) (30" X 36")

25 — ONLY — R3-5(R) (30" X 36")

26 — Southdown RD

29 — SOUTH MARYLAND 2 — GUIDE SHIELD ASSEMBLY (24" X 51")

30 — NORTH MARYLAND 2 — GUIDE SHIELD ASSEMBLY (30" X 75")

EXISTING SIGNALS

1,6 — R Y G — 12"

7-10 — R Y G — 12"

PROPOSED SIGNALS

2,5 — R Y G — 12"

3,4,12,13 — R Y G — 12"

15,16 — 12"

PROPOSED SIGNS

23,28 — Solomon's Island RD — D3-3 (VAR. X 16")

18,21 — ONLY — R3-5(L) (30" X 36")

19,20 — Southdown RD — D3-3 (VAR. X 16")

PUSH BUTTON TO CROSS SOLOMONS ISLAND ROAD — R10-4(1) 9" X 12" (INSTALLED WITH PUSHBUTTON)

27,28 — R4-7 (24"X30")

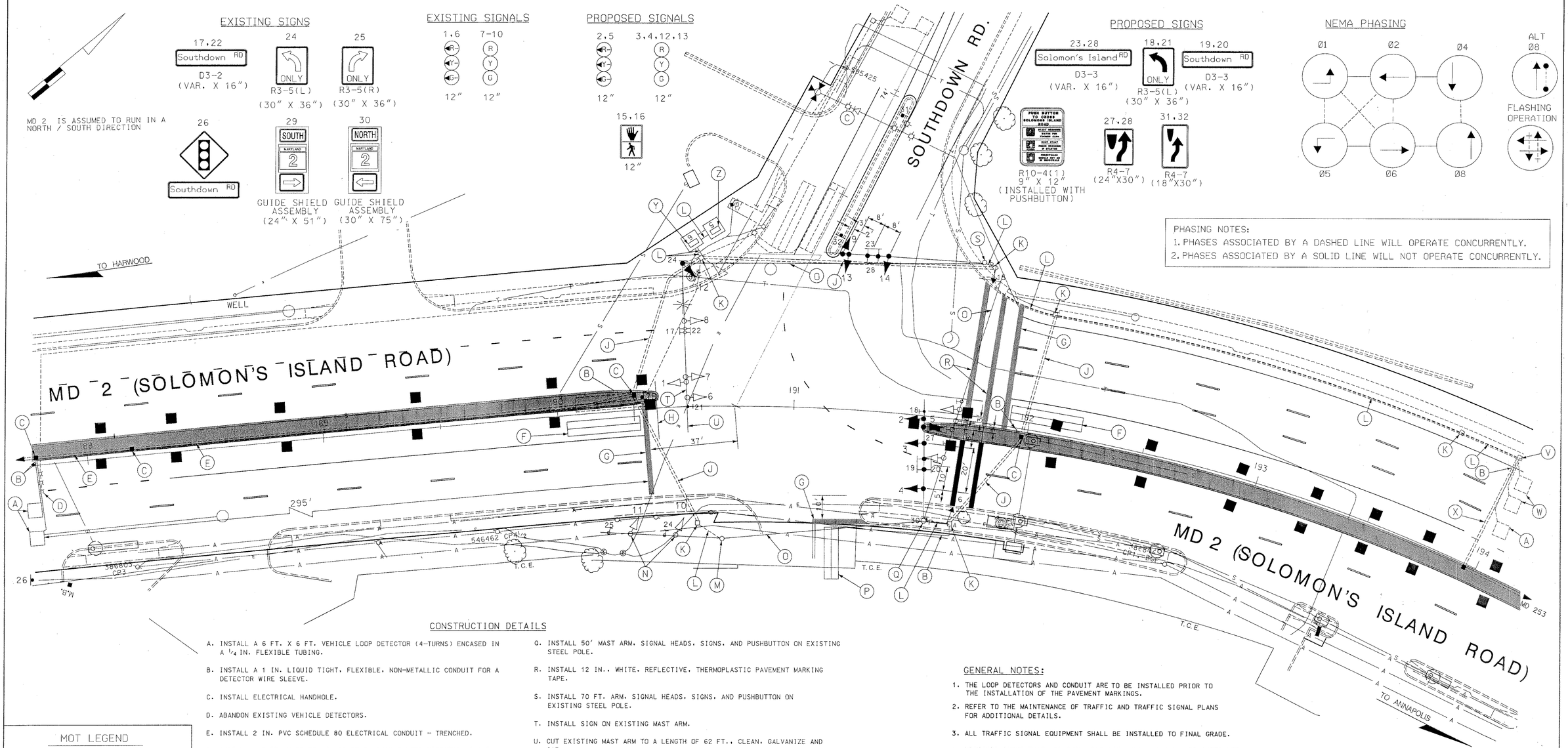
31,32 — R4-7 (18"X30")

NEMA PHASING

Ø1 Ø2 Ø4 Ø5 Ø6 Ø8

ALT Ø8 — FLASHING OPERATION

PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

A. INSTALL A 6 FT. X 6 FT. VEHICLE LOOP DETECTOR (4-TURNS) ENCASED IN A 1/4 IN. FLEXIBLE TUBING.

B. INSTALL A 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR A DETECTOR WIRE SLEEVE.

C. INSTALL ELECTRICAL HANDHOLE.

D. ABANDON EXISTING VEHICLE DETECTORS.

E. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.

F. INSTALL A 6 FT. X 30 FT. QUADRUPOLE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN A 1/4 IN. FLEXIBLE TUBING.

G. INSTALL A 24 IN. WHITE REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING.

H. REMOVE EXISTING PAVEMENT MARKING.

I. DELETED.

J. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED PRIOR TO THE FINAL SURFACE COURSE.

K. USE EXISTING HANDHOLE.

L. USE EXISTING CONDUIT.

M. USE EXISTING STEEL POLE.

N. REWIRE EXISTING SIGNAL HEAD.

O. REMOVE SPAN WIRE AND ELECTRICAL CABLE.

P. INSTALL 6 FT. X 22 FT. QUADRUPOLE VEHICLE LOOP DETECTOR (3-6-3 TURNS) ENCASED IN A 1/4 IN. FLEXIBLE TUBING.

Q. INSTALL 50' MAST ARM, SIGNAL HEADS, SIGNS, AND PUSHBUTTON ON EXISTING STEEL POLE.

R. INSTALL 12 IN., WHITE, REFLECTIVE, THERMOPLASTIC PAVEMENT MARKING TAPE.

S. INSTALL 70 FT. ARM, SIGNAL HEADS, SIGNS, AND PUSHBUTTON ON EXISTING STEEL POLE.

T. INSTALL SIGN ON EXISTING MAST ARM.

U. CUT EXISTING MAST ARM TO A LENGTH OF 62 FT., CLEAN, GALVANIZE AND CAP.

V. USE EXISTING HANDHOLE. (NOTE: RESPLICE EXISTING LOOP DETECTOR LEAD-INS TO A NEW 2- CONDUCTOR ALUMINUM SHIELDED CABLE).

W. MAINTAIN EXISTING VEHICLE DETECTORS.

X. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

Y. INSTALL ELECTRICAL CABLES INTO EXISTING CONTROLLER CABINET AND PROPERLY TAG/LABEL EACH CABLE.

Z. INSTALL 12 PAIR COMMUNICATION CABLE INTO EXISTING CABINET.

GENERAL NOTES:

1. THE LOOP DETECTORS AND CONDUIT ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF THE PAVEMENT MARKINGS.
2. REFER TO THE MAINTENANCE OF TRAFFIC AND TRAFFIC SIGNAL PLANS FOR ADDITIONAL DETAILS.
3. ALL TRAFFIC SIGNAL EQUIPMENT SHALL BE INSTALLED TO FINAL GRADE.
4. PROPOSED SIGNS THAT ARE SHOWN BUT NOT DETAILED SHALL BE INSTALLED BY OTHERS. REFER TO SIGNING AND PAVEMENT MARKING PLANS.

MOT LEGEND

CHANNELIZATION DEVICE

PROPOSED CONSTRUCTION

GEOMETRIC LEGEND

EXISTING

PROPOSED

UTILITY LEGEND

G — G — GAS MAIN
W — W — WATER MAIN
S — S — SEWER MAIN
E — E — ELECTRIC CABLES
A — A — AERIAL CABLES
T — T — TELEPHONE CABLES

SABRA, WANG & ASSOCIATES, INC.
1506 JOH AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6564

REVISIONS

Ⓐ RECONSTRUCT SIGNAL DUE TO ROADWAY WIDENING PROJECT SHA NO. AA530-A21 9/99

APPROVALS

ASST. TRAFFIC ENGINEERING DESIGN DIVISION — ORIGINAL ON FILE

ASST. DISTRICT ENGINEER, TRAFFIC

CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION

DIRECTOR, TRAFFIC & SAFETY

STAGE III

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNALIZATION PLAN

MD 2 (SOLOMON'S ISLAND ROAD) AND SOUTHDOWN ROAD

DRAWN BY:	A.FORNARO	F.A.P. NO.	XXX
CHECKED BY:	D.PETERS	S.H.A. NO.	BW572-801-512
SCALE:	1"=20'	COUNTY:	ANNE ARUNDEL
DATE:	OCTOBER, 1999	LOG MILE:	02000217.03

TS NO. 1817A — T.I.M.S. NO. — SHEET NO. ____ OF ____